Index of Claims

| Application/Control No. |
|-------------------------|
|-------------------------|

10/024,833

Examiner

Sheila B. Smith

Applicant(s)/Patent under Reexamination

WALSH ET AL.

Art Unit

2681

| | √ | Rejected |
|--|---|----------|
| | = | Allowed |

| - | (Through numeral) Cancelled |
|----|--------------------------------|
| [. | Postricted |

| N | Non-Elected |
|---|--------------|
| _ | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| E | Cla | aim | m Date | | | | |]:::: | Claim Date | | | | | | | Claim | | | | | | | Date | | | | | | | | | | |
|--|----------------|----------|---------------|----------|----------|----------|----------|-----------|------------|-----------------|----------|----------|-------------------|-----|-----------------|----------|---|--------------|-----------------|-----------------|--|----------|-------------|------------|------------|--------------|----------|----------|----------|----------|---------------|---------------------------------------|----------|
| 1 = 51 101 102 102 102 103 103 103 103 103 104 105 105 106 106 106 106 106 106 106 106 106 106 106 107 | | | | | | | | | | | Π | | | | | | $\neg \Gamma$ | 1 | | | | | | | | | | | | | | \Box | |
| 1 = 51 101 102 102 102 103 103 103 103 103 104 105 105 106 106 106 106 106 106 106 106 106 106 106 107 | 70 | na na | 8 | | | | | ĺ | | | | | ਕ | na | | | | | | | | | ਰ | na | | | | | | | | | |
| 1 = 51 101 102 102 102 103 103 103 103 103 104 105 105 106 106 106 106 106 106 106 106 106 106 106 107 | ا ۽، ا | į | 12/ | | | | | | | | | | ا≒، | iĝi | | | | | | | | | <u>.</u> ⊑ | <u>.</u> Ē | | | | - | - 1 | | | | |
| S2 | - | Ō | ۳ | | | | | | | | | | - | ō | | | - 1 | | 1 1 | | | | _ | Ō | | | | | | | . 1 | | |
| S2 | \vdash | 1 | - | -+ | \dashv | - | \vdash | Н | - | - | ┝ | 1 | | 51 | Н | \dashv | - | +- | Н | \dashv | + | | | 101 | Н | | \dashv | \dashv | \dashv | \dashv | - | \dashv | \dashv |
| 3 = 53 103 103 104 104 104 105 105 105 105 105 105 105 105 105 105 105 106 107 107 107 107 107 107 107 107 107 107 108 108 109 | | | | \vdash | \dashv | | \vdash | H | - | ├ | ⊢ | 1 | | | Н | \dashv | + | + | \vdash | - | +- | | | | Н | -+ | + | \dashv | | | \dashv | \dashv | \dashv |
| 4 = 54 104 105 6 = 105 106 107 106 107 107 107 107 107 107 107 107 107 107 107 107 107 107 108 108 108 108 108 108 109 < | = | | _ | \dashv | \dashv | | <u> </u> | H | <u> </u> | - | <u> </u> | | | | - | \dashv | + | +- | ┈ | + | + | | | 102 | Н | | - | \dashv | | - | \dashv | \dashv | |
| 105 | | | _ | \dashv | \dashv | | \vdash | - | <u> </u> | <u> </u> | _ | | | 53 | Н | \dashv | | | \vdash | \dashv | | | | 103 | Н | - | \dashv | - | | 4 | | | Щ. |
| 6 | <u></u> | | 트 | \dashv | | _ | L | | _ | _ | _ | | | | Н | \dashv | - | - | \vdash | - | | | | | Ш | _ | _ | 4 | _ | _ | \dashv | _ | |
| 7 | | | \equiv | \vdash | | | H | | H | <u> </u> | | | | | | \dashv | + | - | - | - | 4 | | | 105 | Щ | | 4 | | | _ | \dashv | \dashv | - |
| 8 | | | _ | _ | | | | Щ | _ | <u> </u> | _ | | L | | Ш | \dashv | \bot | 4- | | \perp | | | | 106 | | \perp | _ | \dashv | _ | _ | _ | | Ш |
| 109 | | | - | ļ | _ | | | Щ | L_ | | _ | | | | Ш | _ | | | oxdot | \perp | | | | | | \perp | _ | _ | | _ | | | ப |
| 10 | | | = | \Box | | | | | | | _ | | | | Ш | | | | | | | | | 108 | | | | | | | | \Box | |
| 111 | | | ╚ | Ш | | | L | | | _ | | | | | Ш | | | | | | | | | | | | | | | | | | |
| 12 | L | 10 | = | | | | | | | | |]::::: | | 60 | | | | | | | | | | 110 | | | | | | | | | |
| 12 | | 11 | = | | | | | | | | |] | | 61 | | П | | | | | | | | 111 | | | | П | П | | Т | \neg | П |
| 13 | | 12 | = | П | | | | | | | |] | | | | \neg | | | П | T | T | | | | П | \neg | \neg | 一 | | ヿ | \neg | \neg | ヿ |
| 14 | | | = | П | | | | | | | | | | | | \neg | $\neg \vdash$ | T | П | $\neg \uparrow$ | | | | | П | \neg | | 寸 | | \dashv | \dashv | \exists | \dashv |
| 15 | | | = | П | \neg | | Г | | | | | 1 | | | | \dashv | _ | 1 | П | _ | \top | | | | Н | \dashv | \dashv | 寸 | 一 | | 十 | \dashv | \dashv |
| 16 | | | _ | - | _ | | Т | Н | \vdash | | \vdash | 1 | | 65 | H | \dashv | | \top | Н | | + | | | 115 | \vdash | \dashv | -+ | \dashv | - | \dashv | + | \dashv | \dashv |
| 17 | | | — | \vdash | | | Т | | Т | Н | \vdash | 1 | | | | \dashv | \dashv | +- | Н | - | + | | | | Н | \dashv | \dashv | + | - | | \dashv | \dashv | \dashv |
| 18 19 68 118 119 118 119 119 118 119 119 119 119 112 120 120 121 121 122 122 122 122 122 122 122 122 122 123 123 123 123 124 124 125 125 125 125 125 125 125 125 125 125 125 125 125 125 125 126 127 127 127 127 127 127 127 127 128 129 | | | = | | - | - | \vdash | Н | - | \vdash | \vdash | 1 | | 67 | \vdash | \dashv | + | + | Н | \dashv | | | | 117 | \vdash | \dashv | + | -+ | - | \dashv | \dashv | \dashv | \dashv |
| 19 | | | | \dashv | \dashv | | | | \vdash | \vdash | | ł | | | \vdash | | \dashv | ┰ | Н | + | | | | | \dashv | + | \dashv | -+ | \dashv | \dashv | \dashv | | \dashv |
| 120 | | | _ | | - | | H | Н | H | \vdash | | łiiii | | | $\vdash \vdash$ | | \dashv | | \vdash | - | | | | | - | + | \dashv | | | - | \dashv | \dashv | - |
| 21 1 1 1 1 1 121 | | | _ | \dashv | - | | | | - | \vdash | | ł | | | $\vdash\vdash$ | \dashv | + | + | | + | - | | - | 119 | | + | \dashv | \dashv | | - | \dashv | - | |
| 22 122 122 123 123 123 123 124 124 124 124 124 125 125 125 125 125 125 125 125 125 126 127 127 127 127 127 128 128 129 129 129 129 129 129 130 130 131 131 131 131 131 132 132 133 | | | _ | \dashv | | | H | Н | _ | H | | | | | Н | | - | - | \vdash | + | - | | | 120 | | - | \dashv | \dashv | | | \dashv | - | |
| 23 123 123 124 124 124 124 124 124 125 125 125 126 126 126 126 126 126 126 127 127 127 127 127 127 128 128 129 129 129 129 129 129 129 130 130 130 130 131 131 131 131 131 131 131 132 132 132 132 133 | | | _ | \dashv | -1 | | \vdash | _ | _ | <u> </u> | _ | | | /1 | Ш | - | \dashv | + | Ш | _ | \perp | | | 121 | _ | | _ | _ | \dashv | _ | | _ | |
| 24 124 124 124 124 125 125 125 125 125 126 127 127 127 127 127 127 127 128 128 128 128 128 129 129 129 129 129 129 130 130 130 131 131 131 131 131 131 131 131 131 131 131 131 131 131 132 132 133 133 133 133 133 133 133 133 133 134 134 134 134 134 134 134 134 134 134 133 134 134 134 134 134 134 134 135 135 135 136 136 137 137 137 137 137 137 137 137 137 137 139 139 139 139 139 139 139 139 139 139 139 139 139 144 144 144 14 | | | | | | | _ | | | | | | | 72 | Ш | _ | | - | Ш | | | | | | Ц | \dashv | 4 | _ | _ | _ | \rightarrow | _ | _ |
| 25 125 125 126 126 126 126 127 127 127 127 127 127 127 127 128 128 128 128 128 128 128 128 129 129 129 129 130 130 130 130 130 130 131 131 131 131 131 131 131 131 132 132 132 133 | | | | | | | | | | _ | | | | | Ш | _ | | | Ш | - | | | | | | \perp | _ | 4 | _ | _ | _ | | _ |
| 26 127 126 127 128 127 128 127 128 127 128 127 128 128 129 129 129 129 129 129 129 130 130 130 130 131 131 131 131 131 131 131 131 131 131 131 132 133 134 | | 24 | _ | _ | _ | | | | | | | | | 74 | Ш | | | | | | \perp | | | 124 | | | | | | | | | _ |
| 27 1 1 77 1 127 128 128 128 128 128 128 128 129 129 129 129 129 129 129 130 130 131 | | | | | | | | | | | | | | | | | | | | | | | | 125 | | | ┙ | | _ | | | \Box | |
| 28 128 128 128 128 129 130 131 13 | | | | | | | | | | | | | | 76 | | | | ┸ | | | | ::::: | | 126 | | | | | | | | | |
| 29 129 129 129 130 130 130 130 130 131 131 131 131 131 131 132 133 13 | | | | | _ | | | | | | | | | 77 | | | | | | | | | | 127 | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | 128 | | | T | | П | | П | П | |
| 30 | | | | | | | | | | | | | | 79 | | П | | | | T | | | $\neg \neg$ | 129 | | | Т | | \Box | | Т | \neg | |
| 31 81 32 33 33 34 35 36 36 37 38 37 38 39 <td< td=""><td></td><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>T</td><td></td><td>1</td><td>П</td><td>\neg</td><td></td><td></td><td></td><td>130</td><td></td><td></td><td>\neg</td><td>\neg</td><td>寸</td><td></td><td>\neg</td><td></td><td>\neg</td></td<> | | 30 | | | | | | | | | | | | | | T | | 1 | П | \neg | | | | 130 | | | \neg | \neg | 寸 | | \neg | | \neg |
| 32 | | 31 | | | | | | | | | | | | | | | | | | | | | | 131 | | 一 | 7 | 寸 | ヿ | ヿ | \neg | ヿ | \neg |
| 33 133 134 134 134 134 134 134 134 134 134 134 134 135 135 135 135 135 135 136 136 136 136 137 137 137 137 137 137 137 137 137 137 137 137 138 138 138 138 139 139 139 139 139 140 140 141 14 | | 32 | | | | | | | | | | | | | | | T | \top | П | T | | ! | | 132 | | | \neg | ┪ | ヿ | ╛ | \neg | _ | \dashv |
| 34 35 36 37 38 36 37 38 37 38 39 <td< td=""><td></td><td>33</td><td></td><td></td><td>ヿ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\neg</td><td></td><td></td><td></td><td>\neg</td><td></td><td></td><td>\neg</td><td>133</td><td>\neg</td><td>十</td><td>+</td><td>7</td><td>ヿ</td><td>┪</td><td></td><td>┱</td><td>\neg</td></td<> | | 33 | | | ヿ | | | | | | | | | | | \neg | | | | \neg | | | \neg | 133 | \neg | 十 | + | 7 | ヿ | ┪ | | ┱ | \neg |
| 35 36 37 38 37 38 39 <td< td=""><td></td><td></td><td></td><td></td><td>\neg</td><td></td><td>П</td><td>\exists</td><td></td><td>\neg</td><td></td><td></td><td></td><td>84</td><td>\vdash</td><td>\dashv</td><td>\dashv</td><td>\top</td><td>Н</td><td>\top</td><td>\top</td><td></td><td></td><td>134</td><td>-</td><td></td><td>\dashv</td><td>\dashv</td><td>一</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>一</td></td<> | | | | | \neg | | П | \exists | | \neg | | | | 84 | \vdash | \dashv | \dashv | \top | Н | \top | \top | | | 134 | - | | \dashv | \dashv | 一 | \dashv | \dashv | \dashv | 一 |
| 36 37 38 37 38 39 38 39 <td< td=""><td></td><td></td><td></td><td>\neg</td><td>\neg</td><td></td><td></td><td>Ħ</td><td></td><td></td><td></td><td>.</td><td>\vdash</td><td></td><td>\vdash</td><td>\dashv</td><td>$\neg \vdash$</td><td>\top</td><td>\vdash</td><td></td><td>$\dashv \dashv$</td><td>iiii b</td><td></td><td></td><td>-</td><td>\dashv</td><td>\dashv</td><td>-+</td><td>+</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>ᅱ</td></td<> | | | | \neg | \neg | | | Ħ | | | | . | \vdash | | \vdash | \dashv | $\neg \vdash$ | \top | \vdash | | $\dashv \dashv$ | iiii b | | | - | \dashv | \dashv | -+ | + | \dashv | \dashv | \dashv | ᅱ |
| 37 38 39 30 <td< td=""><td>\vdash</td><td></td><td></td><td>\dashv</td><td>\dashv</td><td>_</td><td>Н</td><td>\dashv</td><td>Н</td><td>\vdash</td><td></td><td>liii</td><td></td><td></td><td>\vdash</td><td>\dashv</td><td></td><td>+</td><td>Н</td><td>\dashv</td><td>+</td><td></td><td></td><td>136</td><td>$-\dagger$</td><td>+</td><td>\dashv</td><td>\dashv</td><td></td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>\dashv</td></td<> | \vdash | | | \dashv | \dashv | _ | Н | \dashv | Н | \vdash | | liii | | | \vdash | \dashv | | + | Н | \dashv | + | | | 136 | $-\dagger$ | + | \dashv | \dashv | | \dashv | \dashv | \dashv | \dashv |
| 38 39 38 39 <td< td=""><td>\vdash</td><td></td><td>\neg</td><td>\dashv</td><td>┪</td><td></td><td></td><td></td><td>\vdash</td><td>\vdash</td><td></td><td>liii</td><td>\vdash</td><td></td><td>\vdash</td><td>\dashv</td><td>\dashv</td><td>+</td><td>\vdash</td><td></td><td>$\dashv \dashv$</td><td></td><td>-</td><td>137</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td></td><td>┪</td><td>\dashv</td><td>\dashv</td><td>\dashv</td></td<> | \vdash | | \neg | \dashv | ┪ | | | | \vdash | \vdash | | liii | \vdash | | \vdash | \dashv | \dashv | + | \vdash | | $\dashv \dashv$ | | - | 137 | \dashv | \dashv | \dashv | \dashv | | ┪ | \dashv | \dashv | \dashv |
| 39 39 <td< td=""><td>\vdash</td><td></td><td>H</td><td>\dashv</td><td>-</td><td>ᅥ</td><td>\vdash</td><td>\dashv</td><td></td><td>\vdash</td><td></td><td>liiii</td><td>\vdash</td><td></td><td>\vdash</td><td>\dashv</td><td>\dashv</td><td>+-</td><td>Н</td><td>\dashv</td><td>+</td><td> </td><td></td><td></td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>\dashv</td><td>\dashv</td></td<> | \vdash | | H | \dashv | - | ᅥ | \vdash | \dashv | | \vdash | | liiii | \vdash | | \vdash | \dashv | \dashv | +- | Н | \dashv | + | | | | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv |
| 40 90 140 140 140 141 | \vdash | | - | \dashv | \dashv | \dashv | \vdash | \vdash | | \vdash | | 1 | | | $\vdash \vdash$ | -+ | + | + | \vdash | + | + | | | 120 | | + | \dashv | \dashv | \dashv | - | + | \dashv | ᅴ |
| 41 91 141 141 142 142 142 142 142 143 144 143 143 143 143 144 144 144 144 144 144 144 144 144 144 144 144 144 144 144 144 145 145 146 146 146 147 147 147 148 148 148 148 149 | \vdash | | - | \dashv | \dashv | \dashv | Н | | \vdash | Н | | | \vdash | | \vdash | \dashv | | +- | ┤┤ | \dashv | + | } | | | ᅱ | - | -+ | -+ | -1 | \dashv | + | \dashv | \dashv |
| 42 92 142 142 143 143 143 143 143 143 143 143 144 | \vdash | | \vdash | \dashv | \dashv | - | \vdash | \vdash | - | \vdash | _ | | \vdash | 90 | \vdash | - | | + | ⊢∤ | -+ | $\dashv\dashv$ | | | 140 | | \dashv | + | + | - | | \dashv | \dashv | |
| 43 93 143 144 | $\vdash\vdash$ | 41 | Н | | -+ | _ | \vdash | | \vdash | $\vdash \vdash$ | | | \vdash | 91 | | - | | + | $\vdash \vdash$ | | + | | | | | + | + | - | | \dashv | \dashv | \dashv | |
| 44 94 144 144 145 45 95 145 145 145 46 96 146 146 147 48 97 98 148 148 148 49 99 99 149 149 | $\vdash\vdash$ | | \vdash | | | _ | \vdash | | \vdash | \Box | | | \vdash \vdash | | $\vdash \vdash$ | \dashv | - | +- | $\vdash \vdash$ | \perp | -4- | | | | ∤ | _ | + | \dashv | 4 | \dashv | \dashv | - | _ |
| 45 95 145 145 146 46 96 146 146 146 47 97 147 147 147 48 98 148 148 148 148 49 99 99 149 149 149 | \vdash | | \vdash | | - | | Ш | | Щ | Ш | | l | \vdash | 93 | Н | + | | + | \vdash | —⊢ | + | | | | ↓ | _ | \perp | 4 | _ | _ | _ | _ | _ |
| 46 96 146 146 147 47 97 147 147 147 48 98 148 148 148 49 99 149 149 | | | Ш | \dashv | | | Ш | | Щ | \square | | l | $\vdash \vdash$ | | \sqcup | \dashv | _ | +- | Ш | _ _ | \perp | | | 144 | _ | | \perp | _ | _ | | _ | _ | _ |
| 47 97 147 48 98 148 49 99 149 | \sqcup | | Ш | _ | _ | | Ш | | Ш | | | l | \Box | | | _ | | 4_ | Ш | | \perp | | | 145 | \perp | \perp | | _ | | \perp | \dashv | \dashv | _ |
| 48 98 148 148 149 149 149 149 149 149 149 149 149 149 | \sqcup | | | _ | _ | | | | | | | | | | Ц | \perp | | \perp | Ш | | ot | | | 146 | | \perp | | \perp | [| | ightharpoonup | $\perp \! \! \! \! \! \! \! \! \perp$ |] |
| 49 99 149 149 | igsqcut | | | _ | \Box | | Ш | ļ | | | | | | | | | | \perp | Ш | | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | ::::L |] | | \Box | | | | | [| | \Box | _] |
| 49 99 149 149 | | | | \perp | [|] | | | | | | | | | | | | | | $\Box \Gamma$ | | | | | | \Box | _[| | | | \Box | | _] |
| | | 49 |] | | | | | | | | | | | 99 | | | $oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oxed{oxed}$ | | | | | | 149 | | T | T | T | T | T | Т | П | |
| | LI | 50 |] | | | | | \Box | | | | | | 100 | | \Box | | | | | | | | | | | \Box | T | _1 | | T | J | \Box |